

High-Pressure Pump Without a Stuffing Box,  
by A. M. Sirota, N. N. Mal'tsov, 3 p.

RUSSIAN, per, Inzhener-Fiz Zhur, 1959, Vol II,  
No 1, pp 93-95.

MDF 8-136

Sci  
Ayr 60  
Vol III, No 3

111 974

Sirota, A. M., Malteev, B. K., and Belyakova, E. N.  
ABOUT MAXIMUM VALUES OF THE SPECIFIC  
HEAT OF WATER Cp. [1961] [20]p. 20 refs.  
Order from OTS or SLA \$1.60 61-14569

Trans. of Teploenergetika (USSR) 1960 [v. 7] no. 7,  
p. 16-23.

DESCRIPTORS: Specific heat, \*Water, Thermodynamics.

61-14569

I. Sirota, A. M.  
II. Malteev, B. K.  
III. Belyakova, P. E.

(Physics--Thermodynamics, TT, v. 6, no. 2)

A VISIT TO THE ZHITOMIR ELECTRICAL INSTRUMENTS  
PLANT, BY AL. SIROTA, 7 PP.

RUSSIAN, NP, PRAVDA UKRAINY, 16 JUN 1962, P 3.

JPRS 16082

USSR  
ECON  
NOV 62

1  
286,665

CURRENT TRANSFORMERS WITH AN AIR GAP, BY I. M.  
SIROTA.

RUSSIAN, PER, ELEKTRICHESTVO, NO 1, 1961, PP 56-61.

ILL. N. 3796

SCI - ELECTRICITY

OCT 62

214,722

Improving the Use of Alkaline Storage Batteries, by  
I. M. Sirota. UNCLASSIFIED

Full translation.

RUSSIAN, per, Vestnik Sviazi, No 3, 1948, pp 21-22.

SIGIA 1705-53

USSR

Scientific - Electronics

2193

May 53 CTS

Electrical Conductivity and Width of Prohibition  
Zone of Solid Solutions of Semiconductor  
Compounds of Zincium Phosphide and Gallium  
Arsenide, by N. N. Sirota, L. A. Makovetskaya, 5 pp.  
ISSN 1936-0032-033. Vol VIII, No 10,  
1963, pp 632-633. I.P.U.00671  
FD-12-65-1000

N.N. Sirota

Dec 1968 Elect Dept  
Dec 60

5/5, 10

Physicians Peak Into the Future, by N.  
N. Sireta, 5 pp.

1964, per. Sovetskaya Belarusiya,  
Jul 1, 1964, pp. 3.9697534  
TID: 1-64-1250

Sci. Sys.  
Mag. 5

N.N. Sireta

287,030

Period of Identity and Microhardness of  
Semiconductor Solid Solutions of InP-GaAs,  
by N. N. Sirota, L. A. Makovetskaya, 5 pp.  
RUSSIAN, per, Dok. Ak. Nauk BSSR, Vol VII,  
No 4, 1963, pp 230-232, PI00564266  
FTD-IT-65-2000

89

Sci - Phys  
Nov 66

N.N. Sirota

312,910

Kinetics of Irreversible Processes of  
Reversal Magnetization of Ferrites with  
Rectangular Hysteresis Loop, by  
I. N. Sirutu, 7 pp.  
1961, rpt. Vsesoyuznoye Nauchno-tekhnicheskoye  
izdatelstvo po beskontaktnym  
radioelementam i avtomatike, 58  
izd. "Ferrity i Beskontaktnyye elementy".  
1961, pp 9-10. 0698225  
FTB-1-65-622

73

I. N. SIRUTU

Sci. & Ind. & Med. Sec  
Loc. #

201, 547

DIAMAGNETIC SUSCEPTIBILITY AND THE EXPERIMENTALLY  
DETERMINED ELECTRON DENSITY DISTRIBUTION IN CRYSTALS,  
BY N. N. SIROTA, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, COL, CXLII, NO 6,  
1962, PP 1278-1281.

AIP  
SOV PHYS - DOK  
VOL VII, NO 2

SCI

208,835

The Distribution of Electron Density in the 3d-Shell  
Causing Ferromagnetism in Nickel, Cobalt, and  
Iron, by N. N. Sirota, N. M. Olekhovich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 4, 1961, pp 844.-

AIP  
Sov Phys - Dok  
Vol VI, No 8

190, 292

Sc1  
Mar 62

Revealing of Dislocations and Some Etch Patterns  
in Silicon Single Crystals, by N. N. Sirota,  
A. A. Tonoyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,  
No 6, 1960, pp 1397-1398.

CB

Sgt

May 61

153, 026

The Determination of the Electron Density Distribution in Crystals, by N. N. Sirota, N. M. Olekhovich, A. U. Sheleg, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII,  
No 1, 1960, pp 160-163.

CB

Sci

Apr 61

149,170

Sirota, N. N., Lekhtblau, Ye. A., and Smolyarenko, E. M.

EFFECT OF THE ACTION OF ULTRASONIC VIBRATIONS IN THE PROCESS OF CRYSTALLIZATION ON THE STRUCTURE AND PROPERTIES OF ALLOYS OF ALUMINUM WITH SILICON.

2 Nov 60 [11]p. (6 figs. omitted) 21 refs. MCL 510/1  
Order from LC or SLA m1\$2.40, ph\$3.30 61-19401

Rough draft trans. of "Pizika Metallov i Metallovedeniye (USSR) 1959, v. 7, no. 6, p. 880-884.

As a result of the action of ultrasonic vibration on a crystallizing fusion of Al-Si (from 2.5 to 20% of Si) there is a sharp diminution in primary grain size and microstructure. The yield strength increases on the average by 11%; and the relative elongation by 75%. A general increase in the hardness and impact viscosity of the alloys is noted. (Author)

(Metallurgy--Structural, TI, v. 5, no. 10)

61-19401

1. Aluminium alloys--  
Crystallization
2. Ultrasonic radiation--  
Metallurgical effects
- I. Sirota, N. H.
- II. Lekhtblau, Ye. A.
- III. Smolyarenko, E. M.
- IV. MCL-510/1
- V. Technical Information  
Center, Wright-Patterson  
AFB, Ohio

Office of Technical Services

Influence of Ultrasonics in the Process of  
Crystallization on the Structure and Properties  
of Alloys of Aluminium--Silicon, by N. N. Sirota,  
Ye. A. Lekhtblau, B. M. Smolyarenko, 5 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol VII,  
No 6, 1959, pp 879-883.

PP

Sci

127,816

Sep 60

On the Temperature Dependence of the Heat Capacity  
of Solids, by N. N. Sirota, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 901-903.

*May 12 1957/RB (73)*  
Amer Inst of Phys  
Sov Phys-"Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,712

A Study of the Kinetics of the Formation of ZnS  
and the Process of Reaction Diffusion of S in  
ZnS, by N. N. Sirota.

71

RUSSIAN, per, Dokl Akad Nauk SSSR, Vol 6, 1962,  
pp 626-628.

\*CPSTI TT 70-39114

Sci-  
June 70

N. N. Sirota

SIEDELL, E. N.

DOKLADY

AKADEMII NAUK SSSR, Vol. 64, 1949, No. 5, p.  
697-700; 2 figures, 1 table, 1900 words.

Reasons for Existence of the Metastable System Iron-Cementite.

Brutcher Trans., Order No. 2328 \$3.35

Hysteresis in Recrystallization, by N. N. Sirota.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LIX,  
No 7, 1948, pp 1309-1312.

Res Info Sv R.546  
53 Nassau St  
NY

Scientific Chemistry

Feb 56 31,081

The Causes of the Phenomenon of Metastable States During Crystallization, (Does Ostwald's Law of Stages Hold Good in the Crystallization Theory?), by N. N. Sirota, 16 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVIII, No 9, 1948, pp 1136-1148.

SLA 60-13729

B61

AUG 61

OIS, Vol III, No 12

163,147

Spectral Representation of Spaces of Closed  
Subsets of Bicompacts, by S. Sirota.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 181,  
No 5, 1968, pp 1069-1072.  
Am Math Society  
Vol 9, No 4, 1968

S. SIROTA

Jan 69

371,268

[REDACTED]

Anomalies in the Modulus of Elasticity and in  
Internal Friction in the Alloy Fe<sub>3</sub>Pt, by O.J.  
Kataev, Z.D. Sirota, 4 pp.

RUSSIAN, por, Zhur Ekspres i Teoret Fiz, Vol.  
XXXVIII, No 4, 1960, pp 1037-1041.

AIP  
Sov Phys - JETP  
Vol XI, No 4

Sci  
Nov 60

136, 84 /

Effect of Atomic Ordering on Exchange Interaction in  
the Fe<sub>3</sub>Pt Alloy, by K. P. Belov, Z. D. Sirota, 3 pp.

RUSSIAN, par, Zhur Ekspres Teorii Fiz, Vol. XXXVI  
(9), No 4, 1959, pp 1058-1062.

AIP  
Sov Phys - JETP

Nov 59

100,896

Thermal Capacity of Water and Steam at Constant  
Pressure on the Saturation Curve, by A. M.  
Sirote, 5 pp.

RUSSIAN, per, Inzhen-Fiz Zhur, Vol VI, No 12,  
1963.

JPRS 23730

Sci

Mar 64

253,800

Sirotenko, A. A. and Mashkovtsev, M. F.  
CHANGES IN THE RATIO OF STRUCTURAL AND  
STORAGE PROTEINS IN TOBACCO LEAVES DUR-  
ING THEIR GROWTH AND IN STARVATION  
METABOLISM (Izméneniya v Sostoyanii Konstitutu-  
cionnykh i Zapasnykh Belkov v Tabachnom Liste vo  
Vremya yego Rosta i v Prosesse Golodnogo Obmena)  
tr. by M. Slade. [1960] (9) p. (foreign text included)  
6 refs. CSIRO Trans. no. 4940.  
Order from LC or SLA mi\$1.80 ph\$1.80 61-15975

Trans. of Tabak (USSR) 1960, v. 21, no. 1, p. 54-57.

(Biological Sciences--Botany, TT, v. 5, no. 8)

61-15975

- I. Tobacco--Physiology
- II. Proteins--Plant metabolism
- III. CSIRO Trans-4940
- IV. Commonwealth Scientific and Industrial Research Organization (Australia)

Office of Technical Services

Electron Microscopic Investigation of Semiconductor  
Whiskers, by I. G. Sirotenko, G. V. Spivak, et al,  
3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser M Fiz, Vol XXV,  
No 6, 1961, pp 735-738.

CTT

Sci  
Jul 62

205,3:8

Colorimetric Method for the quantitative determination  
of Nicotine in Tobacco, by N.V. Mashkovtsev, A.A.

Sipotenko.

Moscow, pch. 229, No 4, 1961, pp 48-52

QB 136

A. A. Sipotenko

Scanned +  
Astr 67

335,086

Etching Disintegration of Semiconductor Surfaces  
by Ion Bombardment, I. G. Sirotenko, G. V. Spivak.

4 pp.

RUSSIAN, par, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV,  
No 6, 1960, pp 679-684.

CTT

163, 888

Sci.  
Aug 61

Computer Engineering at the Service of the  
National Economy, by A. Sirotin, 4 pp.

RUSSIAN, pp, Turkmeneskaya Iskra, 28 Jul 1962.

JPRS 154813

Sci - Electronics

Oct 62

215,648

selected topics with Electric Mechanism USSR  
by A. A. Sirota, 10 pp.

RUSSIAN, per Elektricheskoe, No 8, 1982, pp  
pp 34-40

CIA/FDD XK-152  
NO FOREIGN DISSEM

sel. .. Electric  
Jan 83

OSIB INTERNAL USE ONLY

The Electrophysiological Study of Reception from  
Certain Internal Organs in Man.  
Report 2. Electrophysiological Characteristics of the  
Receptors of the Stomach and Small Intestine in the  
Intact Animal and After Complete Isolation of these  
Organs

By B. Z. Sirotin pp5  
RUSSIAN, pem, Byul Eksper Biol i Medit, Vol LIV,  
No 8, 1962, pp16-21.

CB

Sci-

Sep 63

344, 844

Electrophysiological Study of Reception From  
Certain Internal Organs in Man. Report I.  
Impulses From Receptors of the Resected Stomach  
and Small Intestine, by B. Z. Sivotin, 5 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol L,  
No 9, 1960, pp 3-7.

CB

Sci

155,701

Jun 61

A Case of Lettuce in Two Uniovular Twins, b.  
A. S. Tikhomirov and B. Z. Shrotin, 4 pp.

RUSIAN Jour. Problemy Genetologii i Paraklinicheskoi  
Krovi, Vol IV, No 4, 1959, pp 57-60.

Pergamon Press

Sc1

Dec 59

103,778

(SF-1830)

STANDARDIZATION AS DEMONSTRATED AT THE EXPOSITION  
OF ACHIEVEMENTS OF THE NATIONAL ECONOMY OF USSR,  
BY M. A. SIROTIN, 7 PP.

RUSSIAN, PER, STANDARTIZATSIIA, NO 6, 1962,  
PP 54-58.

JPRS 15101

USSR  
ECON

210,193

The Principles of Aerial Reconnaissance of  
an Army at Sea, by P. A. Sircin, 14 pp.  
RU 5414, per, Secretary State, Feb 6, 1964,  
pp 10-16, 0097382  
US AF-1-610-3-13-65-INT

P.A. Sircin

SCI  
MMR

Thermal Stresses Arising in Heating and Cooling  
of Single Crystals, by Yu. Sirotin.

RUSSIAN, per, Kristallografiya, Vol I, No 6,  
1956, pp 708-717.

CSIRO 3782

Sci - Phys  
Aug 62

211, 226

Magnetic Symmetry of a Tensor and the Energy of  
Magnetic Anisotropy, by Yu. I. Sirtin, 7 pp.

RUSSIAN, per, Kristallografiya, Vol VII, No 1,  
1962, pp 89-96.

AIP  
Sov Phys - Crystall  
Vol VII, No 1

Sci  
Sep 62

211,739

Group Tensor Spaces, by Yu. L. Sirotin, 9 pp.

RUSSIAN, per, Kristallografiya, Vol V, No 2,  
1960, pp. 171-179.

AIP  
Sov Phys - Crystall  
Vol V, No 2

Sci.

Jun 62

201,613

Plotting Tensors of a Given Symmetry, by  
Yu. I. Sirotin, 9 pp.

RUSSIAN, per, Kristallografiya, Vol VI, No 3,  
1951, pp 331-340.

AIP  
Sov Phys - Crystall  
Vol VI, No 3

Sci

Jun 62

201,7847

Anisotropic Tensors, by Yu. I. Sirotin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII,  
No 2, 1960, pp 321-324.

AIP  
Sov Phys- Doklady  
Vol V, No 4

Sci

141, 694

Mar 61

Effectiveness of Phosphoric Fertilizers on Gray  
Forest-Steppe Soils of Gorki Region, by G. I.  
Volkova, Yu. P. Sirotin

RUSSIAN, per, Agrobiologiya, Vol V, Sep/Oct 1953,  
pp 70-79. CIA D 432375

USDA

USSR

Scientific - Biology  
Economic

32,691

32824

Structure of Low-Intensity Shock Waves in  
Magnetohydrodynamics, by E. P. Sirotina,  
S. I. Syrovat'skiy, 6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIX,  
No 3 (9), 1960, pp 746-753.

AIP  
Soviet Phys-JETP  
Vol XII, No 3

156,444

Sci

Line 61

Study of Copolymerization by Ionometric Titration,  
by I. P. Baklanov, L. A. Kurotina, 6 pp.

ISSUE, par, Zherzhegaz Edn, Vol XII, No 7,  
July 1955, pp 1709-1713.

ABD-Gr-4455  
PL-480

Set  
May 62  
PST 377

195,606

S-100/60

(HY-3656)

Changes in the Morphological Composition of the  
Peripheral Blood of Dogs of Various Higher  
Nervous Activity Types Under the Influence of  
Chronic Irradiation With Small Doses of Gamma  
Rays ( $\text{Co}^{60}$ ), by O. P. Makarchenko, M. F. Sirobin,  
R. S. Zletin, 10 pp.

RUSSIAN, per, Fiziol Zhur, Vol V, No 6, 1959,  
pp 769-773.

JPRS 2936

Sci - Med  
Aug 60

121, 761

S-232/60

(NY-3908)

On the Effect of Ultrasonic Vibrations on the  
Blood, by M. I. Gurevich, M. G. Sirotnina, 8 pp.

UKRAINIANS, per, Fizich Zhur, Vol VI, No 1, 1960,  
pp 73-77.

JPRS 5040

Sci - Med - Physiol

Aug 60

121,525

Determination of Univalent Thallium by Radiometric  
Titration with Sodium Tetraphenylboron, by I. A.  
Sirotina and I. P. Alimarin, 6 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XII, No 3, 1957,  
pp 367-371.

Consultants Bur

Sci - Chem

May 58

64,885

(SF-1126)

Characteristics of Vascular Permeability in  
Experimental Hypertension, by M. F. Sirotina,  
6 pp.

RUSSIAN, per, Patolog Fisiol i Eksper Terapiya,  
Vol IV, No 4, 1960, pp 39-41.

JIRS 4206

Sci - Med

Doc 60

134,457

(FDD 25677)

The Change in the Composition of Peripheral Blood  
After Conditioned-Reflex Stimulation, by M. F.  
Sirotina, 8 pp.

UKRAINIANS, bimo par, Medichnyi Zhur, Vol XXIII,  
No 3, Kiev, 1953, pp 18-22.

CIA/FDD U-8256

35-290

USSR  
Sci - Medicine, neurophysiology

n May 56

S. S. [Signature]

Hematological Detection of Microbiological Measures  
Taken Against the Colorado Beetle, by M. I. Sirotina,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 3, 1961,  
pp 720-723.

A1B3

Box

198, 028

May 62

3-5472

(DG-3092).

The Effect of Hyperoxia on Higher Nervous Activity,  
by N. N. Sirotinin, 4 pp.

RUSSIAN, bk, Fiziologiya i Patologiya Dыхaniya,  
Gипоксиya и Окислительная терапия, 1958, pp 2 315-317.

JPRS-L-1986-D

Sci - Med, Physiology  
Feb 60

107 787

S-4970

(NY-2410).

The Role of Allergy in the Infection Process, by  
N. N. Sirotinin, 10 pp..

RMESSIAN, per, Vest Ak Nauk Med SSSR, Vol XXXI,  
No 12, Moscow, 1958, pp 15-21.

IPRS L-744-N

Sci - Med, allergy  
May 59

86,537

Mikhail Vasil'evich Sergievski), by N. N. Sirotinin,  
N. A. Merkulova, B. Ya. Peskov, Iu. N. Ivanov,  
3 pp.

RUSSIAN, per, Viz Zhur SSSR im I. M. Sechenova,  
Vol XLIV, No 11, 1958, pp 1095-1100.

Pergamon Inst

Sci - Med

Mar 59

82,563

Evolution of Allergic Reactions, by  
N. N. Sirotinin, 9 pp.

RUSSLA!, per, Vest Ak Med Nauk SSSR, vol XVIII,  
No 4, Moscow, 1963, p.

JPRS 19592

Sci-Med  
Jan 63

226,023

An Experimental Model of Dysentery Infection, by  
N. N. Sirotina, I. V. Ovseyevskaya, E. A. Brodskaya,  
L. L. Gotsashvskaya, 5 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol,  
Vol XXIX, No 3, 1958, pp 14-17.

Pergamon Inst

Sci - Med  
Feb 59

80, 115

Anoxic Anoxemia, by N. N. Sirotinin, 17 pp.

RUSSIAN, per, Klin. Med., Vol XIX, 1941, pp 5-16

SIA R-1090

Sci-Medicine  
Mar 58

60,460

Adaptation to Hypoxia and High Altitude Acclimatization as Factors Contributing to Animals' Resistance to Some Extreme Conditions, by Prof. N. N. Shrotin, 8 pp.

RUSIAN, per, Fiziologicheskaya Kibiofizika i Biologicheskaya Teplofizika, Vol VIII, No 3, 1964,

pp 17-19.

JPRS 28734

p 68

VHS

Ser. 10 Med Sci

Feb 65

370,156

Photoplates of Types T-1, T-2, and T-3 for Discrimination of Tracks of Single-Charged Particles and of Alpha-Particles, by A. A. Sirotinskaya, K. S. Bogomolov.

RUSSIAN, per, All-Union Scientific Research Kino-Photo Institute, No 11, (21), 1957.

\*AEC

Sci - Phys

Feb 59

SLA: 615411

Using IR and MK Photoplates for Microscopic radiography, by K. S. Bogomolov, N. V. Debordayev, A. A. Sirotinskaya, V. M. Uvarova, L. I. Ry.

RUSSIAN, per, Trudy Vses Nauch-Teknich Kinoftotoinst, No 11, 1957, pp 87-93.

AEC UCRL-Trans-460

Sept  
Aug 61

666  
163,789

The Scientific Principles of a Rational Program for  
Nuclear Photoemulsions That Record Traces of  
Particles With Minimum Ionization, by K. S.  
Bogomolov, A. A. Sirotinskaya, M. Yu. Deberdeyev,  
V. M. Timrova; 45 pp.

RUSSIAN, per, Trudy Vses Nauch-Issled Kinofotoinst,  
No 11, 1957, pp 73-86.

AEC UCRL-Trans-459

Sci  
Aug 61

665  
163,728

Nikfi Photo Materials for Nuclear Studies of  
Types A-2, Ja-2 and K, by K. S. Bogomolov,  
A. A. Sirotinskaya, M. Ya. Daberdyshev, V. N.  
Uvarova, 22 pp.

RUSSIAN, per, Trudy Vsesoyuz Nauch-Issledovatel  
Kinofotoinst, Nekto No 11, (21), 1957,  
pp 58-65.

ABC UCRL-Trans-457

150/880

Sci - Phys  
May 61

BUK Photophlates of Types T-1, T-2, and T-3  
for Discriminating Traces of Singly-Charged  
Particles and Alpha-Particles, by A. A.  
Sirotinakaya, K. A. Bogomolov, 16 pp.

RUSSIAN, per, Trudy Vsesoyuz Nauch-Issled  
Kinofotoinst, No 11, (21), 1957, pp 66-72.

ARC UCRL-Trans-458

Sci - Phys  
May 61

150,881

Scientific Principles of Rational Receptors of  
Nuclear Emulsions, Registering Tracks of Particles  
With Minimum Ionization (Type P or Type R?),  
by A. A. Sirotinskaya, M. Yu. Deberdeyev, V. M.  
Uvarova.

RUSSIAN, per, All-Union Scientific Research Kino-  
Photo Institute, No 11, (21), 1957.

\*AEC

Sci - Phys

Feb 59

Mechanised Welding Operations in the Production  
of Carriage and Wagon Stock, by A. P. Smirnov,  
I. B. Sirotinskiy, 6 pp.

RUSSIAN, per, Svaroch Proiz, No 10, 1961,  
pp 8-11.

DWRA

Sci

Oct 62

214,447

Automation of Moisture Determinations on  
Sand-clay Moulding Mixtures, by P. S. Sirotinskiy,  
3 pp.

RUSSIAN, per, Lit Proiz, No 4, 1961, pp 43, 44.

BCIRA

Sci

170, 354

11 Oct 61

(NY-5186)

Old Age and Hypoxia, by N. N. Sirotinyn, 4 pp.

RUSSTAN, per, Klin Med, Vol XXXVIII, No 8,  
1960, pp 72-74.

JPRS 7172

Sci - 1603

Dec 60

135,925

The Absorption of Nitric Oxide by Aqueous Ammoniacal  
Solutions of Salts of Bivalent Cobalt, by G. D.  
Sirokin, 8 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 8, 1956,  
pp. 1750-1757.

AEC-Tr-4589

Sci

340, 915

Apr 63

(126659)

Determining the Location of Cable-Sheathing  
Fault in a Conduit Span, by V. I. Lavrukhin,  
V. I. Novikov, P. S. Sirotkin, 4 pp.

RUSSIAN, per, Vest Svyazi, No 7, 1961.

JPIB 10704

Scd  
Nov 61

174,250

(FDD 28505)

The Participation of the Moscow Power Institute in  
the Creation and Development of Electrical Systems in  
the USSR, by A. A. Glazunov, L. I. Sirotinashvili, 9 pp.

RUSSIAN, no pag., Elektrичество, No 11, Moscow, Nov  
1955, pp 12-14.

CIA/FDD U-8606

38,121

USSR  
Sci - Engineering

SIROTKIN, G. D.

THE MELTING POINTS OF MIXTURES OF SODIUM  
FORMATE AND SODIUM HYDROXIDE                    3 Pages

RUSSIAN, Zhur Prik Khim, Vol XXIII, No 3, Mar 1950.

Consultants Bureau Translation

A 11184

Absorption of Nitric Oxide by Aqueous Solutions of  
Ferrous Salts, by G. D. Sirotnik, V. V. Starostin,  
4 pp.

Full translation.

RUSSIAN, no per, Zhur Frik Khim, Vol XXVII, No 14,  
1954, pp 1141-1144. CIA C 41471

Consultants Bureau

Scientific - Chemistry  
Apr 56 CTS/dex

3.2, 950

Utilization of Carbon Monoxide in the Production  
of Sodium Formate, by G. D. Sirokin, 4 pp.  
UNCLASSIFIED

RUSSIAN, per, Zhur Prik Khim, Vol XXVI, No 3,  
Mar 1953, pp 340-342.

Consultants Bureau tr

13,517

Scientific - Chemistry

Rate of Synthesis of Sodium Formate, by G. D.  
Sirokin, 7 pp.

Full translation.

RUSSIAN, par, Zhur Prik Khim, Vol XXIV, No 11,  
Nov 1951, pp 1208, 1209.

Consultants Bureau

DCSR

Scientific - Chemistry, sodium formate

1062

Concerning the Characterization of  $\alpha,\beta$ -Unsaturated Ketones. VII. V. I. Isaakov, L. I. Stashkov, L. P. Sirotkin, A. E. Suvorov and E. G. Novikov, 4 pp

RUSSIAN, per. Literat Chhim Vol. XXIX, No 3, 1959,  
pp 845-848

Consultants Bureau

Sci

Apr 60

115,241

Modernized Motor Vehicles of the Jm Yaroslav  
Motor Vehicle Plant, by L. N. Sirotkin, 7 pp.

RUSSIAH, per, Avtomobil Prom, No 6, 1958, pp 7-9.

J.D 2094850 ACBI, K-2194

USSR

Econ

Feb 99

81, 5023

Sirokin, M. P.

MATHEMATICAL CHARACTERISTICS OF THE  
TOPOGRAPHICAL COMPLEXITY OF THE EARTH'S  
SURFACE, Trans. on Soviet Geodesy 1925-40.  
9 June 61 [16] p. 6 refs, JPRS: R-115-N/34.  
Order from OTS or SLA \$1.60 61-23108

Trans. of Gidrogeofizika (USSR) 1937 [v. 13] no. 6, p. 18-27.

DESCRIPTORS: Geophysical prospecting, USSR,  
Mapping, \*Topography, Tables, \*Earth, Surfaces

(Unannounced)

61-23108

- I. Sirokin, M. P.
- II. Title: Soviet ...
- III. JPRS-R-115-N/34
- IV. Joint Publications Research Service, New York

Office of Technical Services

Sirokin, M. P.	61-23104
TOPOGRAPHIC GEODETIC SURVEY OF THE KUYBYSHEV HYDROELECTRIC DEVELOPMENT. Trans. on Soviet Geodesy 1925-40. 9 June 61 [10]p. JPRS: R-115-N/58 Order from OTS or SLA \$1.10	I. Sirokin, M. P. II. Title: Soviet ... III. JPRS-R-115-N/58 IV. Joint Publications Research Service, New York
Trans. of Geodezist (USSR) 1937 [v. 13] no. 12, p. 22-27.	
DESCRIPTORS: Geophysical prospecting, USSR, *Hydroelectric power systems.	
(Unannounced)	Office of Technical Services

Calculation of Axially Symmetric Vortex Flow  
of an Inviscid Compressible Fluid in Radial  
Orbit-Machines, by Yu. A. Sverdkin, 25 pp.  
USCIAF, pp. 14-16, 1963, ~~1963~~, ~~1963~~, ~~1963~~,  
TD-2T-64-457

Sci - Sys  
History

280,465

On the Formulation of Two Dimensional  
Eddy Current Problems of a Compressible  
Liquid in Turbomachines, by Ya. A. Sirokin.  
16 pp.

RUSSIAN, per, Inzheekrnyy Zhurnal, Vol IV,  
No 2, 1964, pp 254-262. PI00067167

ITD TT 65-1924

Ya. A. Sirokin

Sci-Phys  
Mar 67

320,484

PERSPECTIVE TYPE OF LARGE CAPACITY TRUCKS  
FROM THE BELORUSSIAN MOTOR VEHICLE PLANT,  
BY Z. L. SIROTKIN, A. G. DENISOV, 5 PP.

RUSSIAN, PER, AVTOMOBIL'NAYA PROMYSHLENNOST',  
NO 8, AUG 1962, .

JPRS 17205

USSR  
ECON  
SCI - ENGR  
JAN 63

220,132

(SF-187C)

The Soviet Moscow Medical Institute, by M. Sirockina,  
Ed.

EDSHEIM, EMR, Bol'shaya Meditsinskaya Entsiklopediya, Vol. V, No 2, 1961, pp 94-99.

JPRS 11747

6 Jul 1962

Jan 62

171/16

# 17

(NY-3948)

Experience of Reorganizing the Educational System  
of the Second Moscow Medical Institute imeni  
N. I. Pirogov and Our Immediate Tasks, by  
M. G. Sirotina, 9 pp.

RUSSIAN, pg., Soviet Med, No 1, 1960, pp 129-135.

JPRS 5055

Sci - Med

Aug 60

121, 942-

(NY-6564/2)

Replacement of Vena Cava Defects, by M. G.  
Sirotkina, 7 pp.

RUSSIAN, per, Khirurgiya, Vol XXXVII, No 5,  
1961, pp 12-15.

JPRS 9907

Sci - Med

166, 350

Sep 61

Mr. A. Rogomets [In Commemoration of his  
60th Birthday], by F. N. Sirotinin, 1960.  
SUBJ: per, Vrachebnoye Delo, no 5, 1960  
Op 346.

1962  
065R  
1st ca.  
Nov 6.

New Scheme for the Amplification of Video Signals,  
by U. Serebrikov, M. Sirotiuk. 9 pp., UNCLASSIFIED

RUSSIAN, per, Radio, No 3, 1952, pp 31-33.

ATTIC-F-T8-7859-RE

Scientific - Electronics

1312